

UV Curing Tester

UV CURE CHECK



You check the hardening degree of your prints on the spot in the delivery of your printing press enabling you to recognise well in time the insufficient degree of hardening of your products.

Polygraphische innovative
Technik Leipzig





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Working principle

Determination and indication of the coefficient of sliding friction between the ink or varnish surface and the friction body.

The coefficient of sliding friction is proportionate to the hardening degree of the ink.

The indicated degree of hardening is calculated from the ratio of the coefficient of sliding friction of a completely hardened sample and the sample to be checked.



Together with SID Leipzig (Sächsisches Institut für die Druckindustrie GmbH) PITSID develops measuring and testing devices for the graphic arts industry. Our current range of products comprises instruments for the measurement and checking of contact pressure, register, UV-curing, nip, alcohol concentration IPA, packing height, plate punching, roller adjustment and stability of bookblock.

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Technical data

Measuring principle

The coefficient of sliding friction is determined through the friction force of a friction body drawn over the ink or varnish surface.

Calibration

Printed reference sheets are hardened with the maximum UV dose (maximum output of the dryer and minimum speed). The reference coefficient of sliding friction is determined with the UV CURE CHECK on those sheets required for the determination of the hardening degree.

Measuring uncertainty

Reproducibility of individual measurements $< \pm 10 \%$

Measuring time

app. 5 s

Display

2-line display, 15 x 52 mm

Dimensions

350 x 105 x 90 mm

Weight

1.100 g with friction body

Voltage supply

6 x 1.5 V, Mignon type (AA); Mains supply via delivered supply unit, automatically switched off after 10 min. operation without input